

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-101 (Previously canceled)

Claims 102-119 (Canceled)

120. (New) A system comprising:

a fuel depot to which a fuel consuming vehicle may be positioned to replenish its fuel store, the vehicle having a plurality of tires;

a sensor for sensing the operational characteristics of the tires of the vehicle;

a transceiver for transmitting information to the fuel depot;

a processor coupled to the sensor for activating the sensor on a first periodic basis, the processor periodically partially awakening to determine, on a second periodic basis, if a received transmission is a valid interrogation signal and, if so, fully awakening and responding to the valid interrogation signal, via the transceiver, by transmitting at least one of the operational characteristics of the tires; and

a display viewable by a person located at the fuel depot for displaying the operational characteristics of the tires transmitted by the transceiver.

121. (New) The system of claim 120, further comprising a fuel island, wherein the display is mounted to the fuel island to enable a person to view the operational characteristics of the tires.

122. (New) The system of claim 120, wherein the vehicle includes a display that enables a person to view the operational characteristics of the tires on the vehicle.

123. (New) The system of claim 120, wherein the transceiver is mounted to the vehicle, the transceiver receiving data relating to the operational characteristics of the tires from at least one

of the tires, the transceiver further transmitting the received data to either or both a mobile communications device and the display.

124. (New) The system of claim 120, further comprising a memory for storing the operational characteristics.

125. (New) A vehicle comprising:

- a plurality of tires;
- a sensor for monitoring the operational characteristics of the tires;
- a first transceiver associated with the vehicle for transmitting the monitored operational characteristics of the tires; and
- a second transceiver associated with a display at the vehicle depot; and
- a processor coupled to the first transceiver that periodically partially awakens and searches for a forward link packet from the vehicle depot and, if detected, causes the first transceiver to transmit the operational characteristics to the second transceiver, which routes information relating to the operational characteristics of the tires to the display.

126. (New) The vehicle of claim 125, wherein the processor determines whether the forward link packet is a valid interrogation signal and, if so, activates all necessary electrical components to receive, process and respond to the valid interrogation signal.

127. (New) The vehicle of claim 125, wherein the first transceiver transmits the operational characteristics to the second transceiver when the vehicle is within range of the second transceiver.

128. (New) The vehicle of claim 125, further comprising another display associated with the vehicle where information relating to the operational characteristics of the tires can be transmitted for display.

129. (New) A system comprising:

a display located at a fixed location;

a transceiver coupled to the display; and

a tire tag associated with a vehicle tire, the tag including a memory for storing characteristics of the tire, the tire tag periodically awakening to examine a transmission from the transceiver and to at least partially identify the transmission as an interrogation signal, the tag transmitting data representative of the tire characteristics to the transceiver in response to the interrogation signal, wherein the display displays the data.

130. (New) The system of claim 129, wherein the tag is activated when it receives the interrogation signal from the transceiver.

131. (New) The system of claim 129, wherein the tag is activated on a periodic basis.

132. (New) The system of claim 129, wherein the display is located along the side of a road.

133. (New) The system of claim 129, wherein the processor monitors whether a vehicle equipped with one or more tire tags is within range of the transceiver, and, if it is, prompts the transceiver to send out the interrogation signal to the vehicle to request that the operational characteristics of the tires of the vehicle be sent to the transceiver.

134. (New) The system of claim 129, further comprising a fuel island, wherein the display is mounted to the fuel island.

135. (New) A system for displaying the operational status of at least one tire of a vehicle when the vehicle moves proximate to a vehicle depot, comprising:

a sensor associated with one or more tires of the vehicle for monitoring the operational status of the tires;

a transceiver on the vehicle for transmitting data relating to the operational status of the tires;

a display located at the vehicle depot for viewing data relating to the operational status of the tires; and

a processor, for controlling the sensor and the transceiver, that periodically awakens and searches for a forward link packet from the vehicle depot and, if detected, causes the transceiver to transmit the data relating to the operational status of the tires.

136. (New) The system of claim 135, wherein the processor autonomously transmits an alarm signal to the transceiver only when the data relating to the operational status of the tires indicates a predetermined condition.

137. (New) The system of claim 135, wherein the processor determines whether the forward link packet is a valid interrogation signal and, if so, activates all necessary electrical components to receive, process and respond to the valid interrogation signal.